

TEJUS
CONSULTANTS

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Project	Improvements to Road, Drain and Footpath in Main Road and abutting Cross Roads of Kannuramma Layout in Ward No.8, Kodigehalli
Client	Bruhat Bangalore Mahanagar Palike
Consultant	Tejus Consultants, Bangalore
Contractor	M/s Karthik Enterprises
Grade of concrete:	M20
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	10/1/2019	17/1/19	7 days	8.300	22500	295	13.11	13.17
2	10/1/2019	17/1/19	7 days	8.320	22500	298	13.24	
3	10/1/2019	17/1/19	7 days	8.325	22500	296	13.16	

Note:

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Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.



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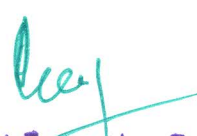
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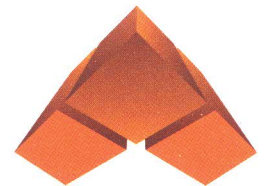
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				Kg	mm ²	KN	N/mm ²	N/mm ²
1	10/1/2019	7/2/2019	28 days	8.130	22500	455	20.22	20.15
2	10/1/2019	7/2/2019	28 days	8.138	22500	452	20.09	
3	10/1/2019	7/2/2019	28 days	8.146	22500	453	20.13	

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				Kg	mm ²	KN	N/mm ²	N/mm ²
1	12/01/19	19/1/19	7 days	8.330	22500	295	13.11	13.17
2	12/01/19	19/1/19	7 days	8.320	22500	298	13.24	
3	12/01/19	19/1/19	7 days	8.325	22500	296	13.16	

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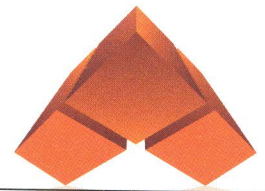
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	12/01/19	09/02/19	28 days	8.135	22500	450	20.00	20.07
2	12/01/19	09/02/19	28 days	8.140	22500	452	20.09	
3	12/01/19	09/02/19	28 days	8.145	22500	453	20.13	

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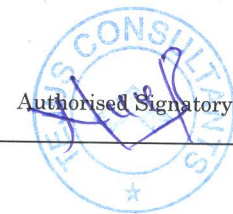
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Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	14/01/19	21/1/19	7 days	8.330	22500	298	13.24	13.24
2	14/01/19	21/1/19	7 days	8.255	22500	299	13.29	
3	14/01/19	21/1/19	7 days	8.340	22500	297	13.20	

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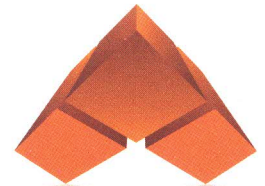
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm ²	KN	N/mm ²	N/mm ²
1	14/01/19	11/02/19	28 days	8.135	22500	455	20.22	20.16
2	14/01/19	11/02/19	28 days	8.138	22500	452	20.09	
3	14/01/19	11/02/19	28 days	8.144	22500	454	20.18	

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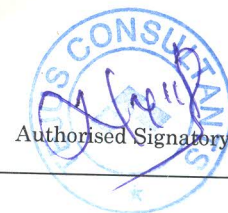
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				Kg	mm ²	KN	N/mm ²	N/mm ²
1	16/01/19	23/1/19	7 days	8.330	22500	295	13.11	13.11
2	16/01/19	23/1/19	7 days	8.255	22500	293	13.02	
3	16/01/19	23/1/19	7 days	8.340	22500	297	13.20	

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1	16/01/19	13/2/2019	28 days	8.135	22500	452	20.09	20.09
2	16/01/19	13/2/2019	28 days	8.138	22500	453	20.13	
3	16/01/19	13/2/2019	28 days	8.144	22500	451	20.04	

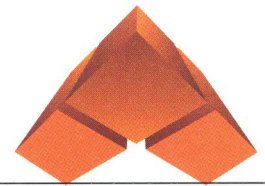
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1	21/01/19	28/1/19	7 days	8.330	22500	297	13.20	13.21
2	21/01/19	28/1/19	7 days	8.255	22500	296	13.16	
3	21/01/19	28/1/19	7 days	8.340	22500	299	13.29	

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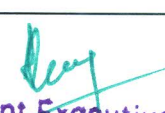
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				Kg	mm ²	KN	N/mm ²	N/mm ²
1	21/01/19	18/2/2019	28 days	8.135	22500	453	20.13	20.07
2	21/01/19	18/2/2019	28 days	8.138	22500	450	20.00	
3	21/01/19	18/2/2019	28 days	8.144	22500	452	20.09	

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